

e-Manifest System Webinar #1

Lessons Learned from Multi-State e-Manifest Pilot Study

April 22, 2009
1:00PM - 3:00PM EDT

Agenda

- Introduction
- Review of November 2008 e-Manifest User Meeting
- Webinar Schedule
- Lessons Learned From Pilot System
- Discussion
- Next Webinar

Introduction

- First of four scheduled webinars on e-Manifest
- Ground Rules
 - Lines will be muted until the discussion period starts.
 - Type in your questions and we'll review them at the Q&A period
- If you have technical difficulties using the webinar, please call 1-866-299-3188 and enter the code 703 308 8796

Review of November 2008 User Meeting

- Meeting was held on November 19-20, 2008
- EPA invited representatives from the States and hazardous waste industry to gather input on e-Manifest system
- EPA provided an update on the current approach
- Users provided feedback on desired functionality and performance expectations
- EPA prepared and sent meeting summary to users for their review and comment

Follow-up Discussions with Users

- EPA will hold 4 webinars between April and June to get further user input. Topics for the 3 last webinars are still tentative.
 - Pilot study lessons learned
 - Alternatives analysis for e-Manifest
 - Manifest data quality and e-Manifest integration with Biennial Report
 - Practical user expectations for the e-Manifest
- After each webinar, a summary will be prepared and e-mailed to you for review and comment.

Webinar Schedule

« April 2009 »						
S	M	T	W	T	F	S
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2
3	4	5	6	7	8	9

Pilot Lessons
Learned

« May 2009 »						
S	M	T	W	T	F	S
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
7	8	9	10	11	12	13

Alternatives Analysis
For e-Manifest

« June 2009 »						
S	M	T	W	T	F	S
24	25	26	27	28	29	30
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	1	2	3	4
5	6	7	8	9	10	11

Data Quality and
Biennial Report

System Performance
Expectations

All webinars are from 1:00 – 3:00PM EDT. At the conclusion of each webinar, we will confirm the date, time, and topics for the next webinar, and then follow up with a reminder a few days before it.

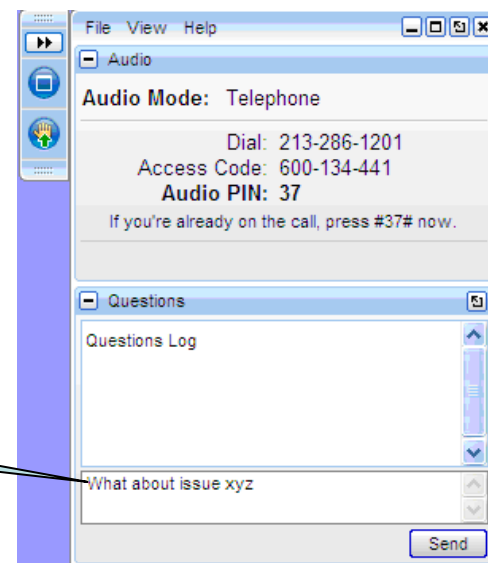
Lessons Learned From Pilot System

- Presented by:
 - Michael Beaulac, Michigan DEQ
 - Jason Bunker, Windsor
- Full lessons learned document can be found at:
 - <http://www.e-manifestpilot.com/app/News.aspx?article=7>

Discussion

- Questions and comments welcomed from all webinar participants (not just pilot participants)
- To help facilitate an orderly discussion, please send a typed question or comment to the facilitator by:
 - Typing your question into the Question Pane of GoTo meeting
 - Clicking the Send button
 - Your question will appear in the Question Log

Type your question here
and click Send



Discussion (cont)

- Based on pilot experience, which capability is most important?
 - 1. Ability to submit e-manifest to states after shipments completed
 - 2. Ability to implement a paperless manifest along with creation and quality aids (templates, quality checks, ...)
- What other capabilities are essential and should be recommended for national system?
- Did pilot experience change anyone's assessment of the more important capabilities and benefits?
- What specific lessons from the pilot merit additional consideration in a national system?
- Did pilot experience highlight any major challenges for a national implementation?
 - Any suggested solutions to the major challenges?
- How important is the integration with the Biennial Report to users?
 - Should this be a significant driver for e-Manifest implementation?
- How well did the system interface with other industry systems?

Discussion (cont)

- Web Site User Interface
 - What were the strengths?
 - What were the weaknesses?
 - Was it dependent on 24/7 availability?
 - Would a web interface be an adequate design for a national system?

e-Manifest Pilot System

Dashboard Create Manifest Search

Create Manifest

Manifest Status: 1. DRAFT 2. In-Transit 3. Received 4. Accepted

Select Generator: ABC Energy, Inc. [Select From More Generators](#)

RCRA Site ID: VIN223456789

Emergency Response Phone: 503-675-7833

Mailing Address		Site Address		Contact
Address Line 1:	4000 Kruse Way Place	Address Line 1:	4000 Kruse Way Place	Phone: 503-675-7833
Address Line 2:	Building 2, Suite 285	Address Line 2:	Building 2, Suite 285	
City:	Lake Oswego	City:	Lake Oswego	
State:	OR	State:	OR	
Zip:	97035	Zip:	97035	

Select Transporter(s): [Add](#) [Select From More Transporters](#)

Discussion (cont)

The screenshot displays the 'e-Manifest Pilot 5' mobile application interface. At the top, the title bar shows the application name and standard mobile UI icons. The main screen is divided into sections for manifest creation:

- Generator:** ABC Energy, Inc.
- Transporter(s):** A table with two columns: 'Name' and 'RCRA SiteID'. The entry 'Speedy' is listed with SiteID 'WIN323456789'.
- Des Facility:** ACME Disposal, Inc.
- Waste Details:** Includes an 'Add' button and a table of waste containers.

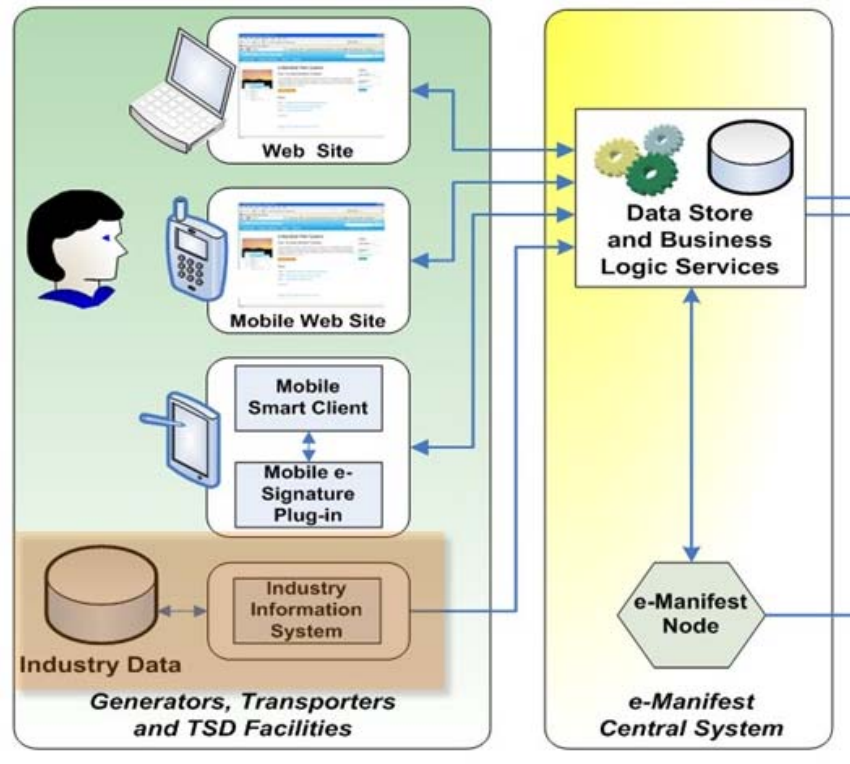
Cont#(Type)	DOT Desc
5 (DM)	Toxis Liquids, Organics, NO
12 (DM)	Combustible Liquid nos (Oil)
6 (CY)	Oil, NOS, ORM-D, UN1992,

At the bottom, there are 'Menu' and 'Exit' buttons.

- **Mobile Client Interface**

- What were the strengths?
- What were the weaknesses?
- How well did the interface work for manifest creation?
- How well did it work for signing manifests in the field?
- What issues were there with off-line transactions?
 - Any recommended solutions?

Discussion (cont)



- Industry Web Services Interface
 - What were the Web Services?
 - What worked well with the Web Services Interface?
 - What were the weaknesses of this interface?
 - Is this interface necessarily limited to batch delivery of electronic data from paper manifests?
 - Could Web Services be combined with the other interfaces to enable the batch creation of draft manifests for processing in the field?
 - What challenges would this present?
 - How might these challenges be resolved?

Next Webinar

- Will be held on May 12, 2009, from 1:00 to 3:00 PM EDT
- Topics: Alternatives Analysis for e-Manifest
- A reminder will be e-mailed to you

Supporting Information

e-Manifest Diagram From November 2008 Meeting

